Features

- AM3352, 720 MHz CPU
- 256 MB SDRAM and 256 MB Flash
- Windows CE 7.0 Professional
- Hard Real-Time Capability
- 64-bit Hardware Serial Number for Software Protection
- I/O Expansion Bus
- 10/100/1000M Ethernet Port
- 4 Serial Ports (RS-232/485)
- Operating Temperature: -25 ~ +75°C

WP-5231

Introduction

The WP-5231 series is equipped a AM3352 CPU (720 MHz) and running a windows CE.NET 7.0 operating system. The optional I/O expansion board, XV-board, provides high-protection I/O. Using the built-in Flash and microSD, the WP-5231 series can save application program, image file and data.
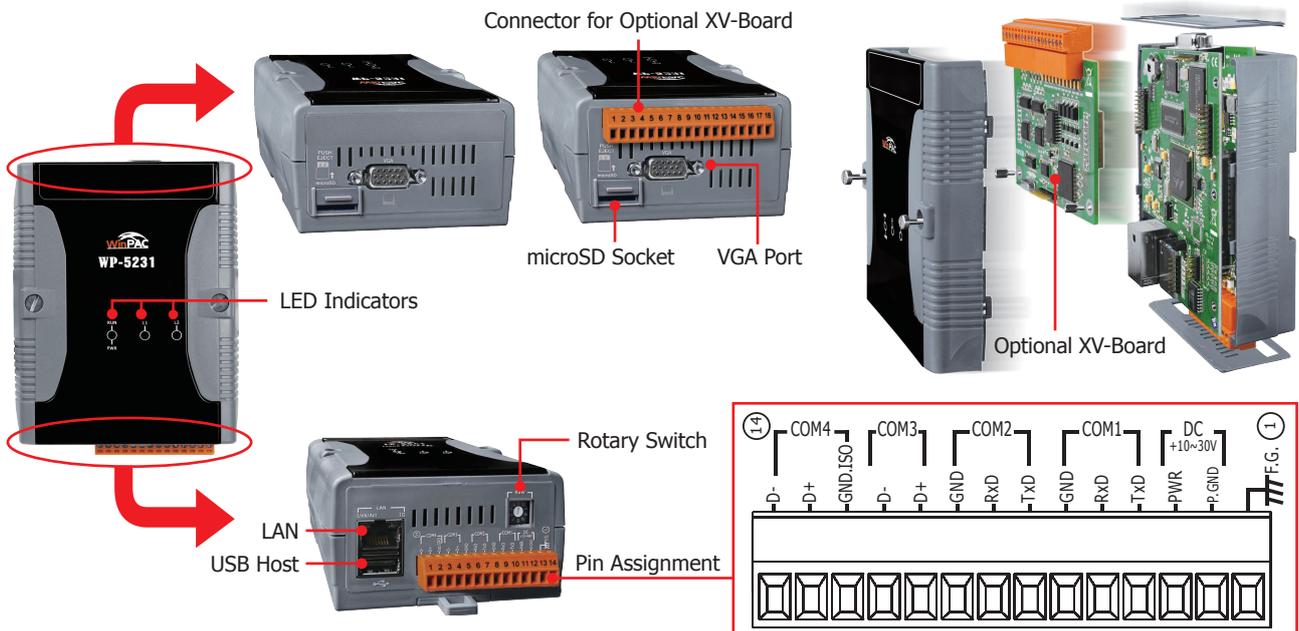
Windows CE7

Microsoft **Windows CE.net**

Windows CE 7.0 is a compact and real-time OS used to quickly create time critical and high performance applications. Using Windows CE 7.0 gives an ability to run PC-based control software such as Visual Basic .NET, Virtual C#.

★ FTP Server
★ Web Server
★ SQL Compact Edition 3.5
★ .NET Compact Framework 3.5
★ Virtual CE Pro (VCEP)

Applications

Connector for Optional XV-Board

microSD Socket   VGA Port

LED Indicators

Optional XV-Board

Rotary Switch

LAN

USB Host

Pin Assignment

COM4 COM3 COM2 COM1 DC +10~30V

D- D+ GND.ISO D- D+ GND RxD TxD GND RxD TxD PWR P.GND F.G.

📁 Specifications

Models	WP-5231
System Software	
OS	Windows CE 7.0 Professional
.Net Compact Framework	3.5
Embedded Service	FTP server, Web server
SDK Provided	Dll for Visual Studio.Net 2008
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Korean, Simplifi ed Chinese, Traditional Chinese
CPU Module	
CPU	AM3352, 720 MHz
DDR3 SDRAM	256 MB
Flash	256 MB
FRAM	64 KB
Expansion Flash Memory	microSD socket with one 4 GB microSD card (support up to 32 GB microSDHC card)
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year
64-bit Hardware Serial Number	Yes, for Software Copy Protection
Dual Watchdog Timers	Yes
LED Indicators	1 LED for Power and Running; 2 LEDs for user defined
Rotary Switch	Yes (0 ~ 9)
Communication Ports	
VGA and Communication Ports	Yes. Resolution: 640 × 480, 800 × 480, 800 × 600, 1024 × 768
Ethernet	RJ-45 x 1, 10/100/1000 Based-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)
USB 2.0 (host)	1
COM 1	RS-232 (RxD, TxD and GND); Non-isolated
COM 2	RS-232 (RxD, TxD and GND); Non-isolated
COM 3	RS-485 (Data+, Data-); Non-isolated
COM 4	RS-485 (Data+, Data-); 2500 V_{DC} isolated
I/O Expansion	
I/O Expansion Bus	Yes, one optional XV-board
Mechanical	
Dimensions (W x L x H)	91 mm × 132 mm × 52 mm
Installation	DIN-Rail Mounting
Environmental	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)
Power	
Input Range	+12 ~ +48 V_{DC}
Consumption	4.8 W

📁 Ordering Information

WP-5231 CR	PAC with WinCE 7.0 and one LAN port (RoHS)

📁 Option Accessories

XV-Board	Add-on I/O Expansion Board